

Alpha-N-Acetylglucosaminidase (NAGLU)

Product Information

Cat#	DIA-615
Descriptions	Alpha-N-acetylglucosaminidase (NAGLU) is a lysosomal hydrolase specialized in hydrolyzing α -linked N-acetylglucosamine bonds in glycosaminoglycans, mediates intracellular heparan sulfate degradation, and is widely utilized in mucopolysaccharidosis mechanism research and enzyme activity detection assays.
Applications	Alpha-N-acetylglucosaminidase (NAGLU) is applied in mucopolysaccharidosis type IIIB detection kit development and lysosomal enzyme activity assay reagent preparation.
CAS No.	32-1-5058
Enzyme Commission Number	EC 3.2.1.50
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human alpha-N-acetylglucosaminidase/NAGLU protein.
Reaction	Hydrolysis of terminal non-reducing N-acetyl-D-glucosamine residues in N-acetyl-alpha-D-glucosaminides.
Activity Definition	Measured by its ability to hydrolyze 4-Nitrophenyl-N-acetyl-alpha -D-glucosaminide under the decribed conditions.